

ABSTRACT OF THE DISCLOSURE

A method for storing ecologically dangerous substances underground and an apparatus for accomplishing the method. These substances can be radioactive waste, spent fuel elements, nuclear warheads, weapons-grade uranium and plutonium, in all forms, as well as chemical weapons and many other toxic substances, including biologically dangerous substances. Also, this invention can be used for storing many other, specific storage objects, preferably particularly valuable metals, minerals and jewelry produced from same, as well as valuable papers, banknotes, archive contents and historical documents which are to be stored for a long time, etc. Storage takes place in a storage site having deep underground boreholes, by a special gas-hydrodynamic system and by remote control of all the necessary deep loading and unloading operations without using conventional mechanical loading and unloading devices such as shaft elevators, lifts and the like which substantially restrict the range of application of underground storage sites. Unauthorized access to the storage objects is excluded and nuclear and radiation safety is guaranteed in the storage of, for example, radioactive waste, spent fuel elements and also weapons-grade uranium and plutonium, as well as the safety of stocks of chemical weapons and/or their dangerous components as well as of many other toxic substances, and the fire safety of the underground storage zone and storage costs are reduced.